

**ABSTRACT OF THE DISCLOSURE****METHOD AND SYSTEM FOR ALGORITHM-BASED ADDRESS-EVADING  
NETWORK SNOOP AVOIDER**

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A method and system for an algorithm-based network snoop avoider is provided. A first data processing system and a second data processing system communicate on a physical network by transmitting data packets on the network using a virtual private network (VPN). Data packets are transmitted through a first VPN tunnel between the first data processing system with a first network address terminating a first end of the VPN tunnel and the second data processing system with a second network address terminating a second end of the first VPN tunnel. The VPN is automatically reconfigured to use alternate addresses on the network for the tunnel endpoints by automatically determining, in accordance with a predetermined algorithm, a third network address and a fourth network address and by automatically assigning the third network address to the first data processing system and the fourth network address to the second data processing system. Data packets may then be transmitted through a second VPN tunnel in which a first end of the second VPN tunnel is terminated by the first data processing system using the third network address and a second end of the second VPN tunnel is terminated by the second data processing system using the fourth network address. The data packets may be transmitted using Internet Protocol (IP), and a portion of the network may include the Internet.

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